

# Peter Uhd Jepsen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156  
papers

8,460  
citations

45  
h-index

90  
g-index

224  
ext. papers

10,183  
ext. citations

3.8  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
156	Bottom-Up-Etching-Mediated Synthesis of Large-Scale Pure Monolayer Graphene on Cyclic-Polishing-Annealed Cu(111) (Adv. Mater. 8/2022). <i>Advanced Materials</i> , <b>2022</b> , 34, 2270063	24	
155	Terahertz Time-Domain Spectroscopy. <i>Springer Series in Optical Sciences</i> , <b>2022</b> , 15-22	0.5	
154	Near-infrared nanospectroscopy using a low-noise supercontinuum source. <i>APL Photonics</i> , <b>2021</b> , 6, 066106	10.6	11
153	Four-probe sensing of temperature during Joule heating of silicon. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 014903	1.7	
152	Noise and spectral stability of deep-UV gas-filled fiber-based supercontinuum sources driven by ultrafast mid-IR pulses. <i>Scientific Reports</i> , <b>2020</b> , 10, 4912	4.9	18
151	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. <i>2D Materials</i> , <b>2020</b> , 7, 035009	5.9	10
150	Wafer-scale graphene quality assessment using micro four-point probe mapping. <i>Nanotechnology</i> , <b>2020</b> , 31, 225709	3.4	3
149	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
148	MHz-repetition-rate, sub-mW, multi-octave THz wave generation in HMQ-TMS. <i>Optics Express</i> , <b>2020</b> , 28, 9631-9641	3.3	7
147	Reference-free THz-TDS conductivity analysis of thin conducting films. <i>Optics Express</i> , <b>2020</b> , 28, 28819-28830	3.3	5
146	Mono-crystalline gold platelets: a high-quality platform for surface plasmon polaritons. <i>Nanophotonics</i> , <b>2020</b> , 9, 509-522	6.3	9
145	Mid-infrared, long-wave infrared, and terahertz photonics: introduction. <i>Optics Express</i> , <b>2020</b> , 28, 14169-14175	3.3	2
144	Subcycle Nonlinear Response of Doped 4H Silicon Carbide Revealed by Two-Dimensional Terahertz Spectroscopy. <i>ACS Photonics</i> , <b>2020</b> , 7, 221-231	6.3	4
143	High-power few-cycle THz generation at MHz repetition rates in an organic crystal. <i>APL Photonics</i> , <b>2020</b> , 5, 106103	5.2	9
142	Ultrafast THz-driven electron emission from metal metasurfaces. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 070901	2.5	8
141	Terahertz spectroscopy from air plasmas created by two-color femtosecond laser pulses: The ALTESSE project. <i>Europhysics Letters</i> , <b>2019</b> , 126, 24001	1.6	12
140	Quantifying crystalline Lactose monohydrate in amorphous lactose using terahertz time domain spectroscopy and near infrared spectroscopy. <i>Vibrational Spectroscopy</i> , <b>2019</b> , 102, 39-46	2.1	11

139	Phase Retrieval in Terahertz Time-Domain Measurements: a How to Tutorial. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2019</b> , 40, 395-411	2.2	22
138	Non-contact mobility measurements of graphene on silicon carbide. <i>Microelectronic Engineering</i> , <b>2019</b> , 212, 9-12	2.5	5
137	Attenuation of THz Beams: A How to Tutorial. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2019</b> , 40, 878-904	2.2	12
136	Terahertz time-domain spectroscopy of zone-folded acoustic phonons in 4H and 6H silicon carbide. <i>Optics Express</i> , <b>2019</b> , 27, 3618-3628	3.3	17
135	Wavelength scaling of terahertz pulse energies delivered by two-color air plasmas. <i>Optics Letters</i> , <b>2019</b> , 44, 1488-1491	3	16
134	Conductivity mapping of graphene on polymeric films by terahertz time-domain spectroscopy. <i>Optics Express</i> , <b>2018</b> , 26, 17748-17754	3.3	21
133	Quality assessment of terahertz time-domain spectroscopy transmission and reflection modes for graphene conductivity mapping. <i>Optics Express</i> , <b>2018</b> , 26, 9220-9229	3.3	27
132	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31641-31647	9.5	18
131	Terahertz emission from laser-driven gas plasmas: a plasmonic point of view. <i>Optica</i> , <b>2018</b> , 5, 1617	8.6	7
130	Direct Injection of Ultrashort Electron Bunches Into a Solid Material Using Terahertz-Driven Electron Field Emission <b>2018</b> ,		1
129	Inspection of Asian Lacquer Substructures by Terahertz Time-Domain Imaging (THz-TDI). <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2017</b> , 38, 425-434	2.2	5
128	Insights on the Side Panels of the Franciscan Triptych by Fra Angelico Using Terahertz Time-Domain Imaging (THz-TDI). <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2017</b> , 38, 413-424	2.2	6
127	120 Gb/s Multi-Channel THz Wireless Transmission and THz Receiver Performance Analysis. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 310-313	2.2	38
126	Impact ionization dynamics in silicon by MV/cm THz fields. <i>New Journal of Physics</i> , <b>2017</b> , 19, 123018	2.9	24
125	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. <i>2D Materials</i> , <b>2017</b> , 4, 045017	5.9	14
124	Mapping the electrical properties of large-area graphene. <i>2D Materials</i> , <b>2017</b> , 4, 042003	5.9	75
123	Space-Time mapping of terahertz-induced electron field emission <b>2017</b> ,		1
122	Robust mapping of electrical properties of graphene from terahertz time-domain spectroscopy with timing jitter correction. <i>Optics Express</i> , <b>2017</b> , 25, 2725-2732	3.3	22

121	THz Wireless Transmission Systems Based on Photonic Generation of Highly Pure Beat-Notes. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-8	1.8	16
120	Amplification of resonant field enhancement by plasmonic lattice coupling in metallic slit arrays. <i>Scientific Reports</i> , <b>2016</b> , 6, 37738	4.9	10
119	400-GHz Wireless Transmission of 60-Gb/s Nyquist-QPSK Signals Using UTC-PD and Heterodyne Mixer. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2016</b> , 6, 765-770	3.4	32
118	Contactless graphene conductance measurements: the effect of device fabrication on terahertz time-domain spectroscopy. <i>International Journal of Nanotechnology</i> , <b>2016</b> , 13, 591	1.5	11
117	Non-invasive Florentine Renaissance Panel Painting Replica Structures Investigation by Using Terahertz Time-Domain Imaging (THz-TDI) Technique. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2016</b> , 37, 1148-1156	2.2	8
116	Terahertz Plasmonic Structure With Enhanced Sensing Capabilities. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 2484-2488	4.4	59
115	Linearity of Air-Biased Coherent Detection for Terahertz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2016</b> , 37, 592-604	2.2	19
114	Wall Painting Investigation by Means of Non-invasive Terahertz Time-Domain Imaging (THz-TDI): Inspection of Subsurface Structures Buried in Historical Plasters. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2016</b> , 37, 198-208	2.2	30
113	Time-resolved terahertz spectroscopy of charge carrier dynamics in the chalcogenide glass As <sub>30</sub> Se <sub>30</sub> Te <sub>40</sub> [Invited]. <i>Photonics Research</i> , <b>2016</b> , 4, A22	6	5
112	Experimental analysis of THz receiver performance in 80 Gbit/s communication system <b>2016</b> ,		3
111	Fra Angelico's painting technique revealed by terahertz time-domain imaging (THz-TDI). <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	5
110	Exploring THz band for high speed wireless communications <b>2016</b> ,		4
109	Time-domain electric field enhancement on micrometer scale in coupled split ring resonator upon terahertz radiation <b>2016</b> ,		1
108	Ultrabroadband THz time-domain spectroscopy of biomolecular crystals <b>2016</b> ,		1
107	Quantum-dot-based integrated non-linear sources. <i>IET Optoelectronics</i> , <b>2015</b> , 9, 82-87	1.5	
106	Graphene mobility mapping. <i>Scientific Reports</i> , <b>2015</b> , 5, 12305	4.9	75
105	Metamaterial-based design for a half-wavelength plate in the terahertz range. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 119, 467-473	2.6	6
104	Dielectric tube waveguides with absorptive cladding for broadband, low-dispersion and low loss THz guiding. <i>Scientific Reports</i> , <b>2015</b> , 5, 7620	4.9	66

103	Ultrabroadband terahertz conductivity of highly doped ZnO and ITO. <i>Optical Materials Express</i> , <b>2015</b> , 5, 566	2.6	27
102	Nitrogen plasma formation through terahertz-induced ultrafast electron field emission. <i>Optica</i> , <b>2015</b> , 2, 116	8.6	43
101	Permanently reconfigured metamaterials due to terahertz induced mass transfer of gold. <i>Optics Express</i> , <b>2015</b> , 23, 11586-99	3.3	19
100	Reflection terahertz time-domain imaging for analysis of an 18th century neoclassical easel painting. <i>Applied Optics</i> , <b>2015</b> , 54, 5123-9	0.2	47
99	Impact ionization in high resistivity silicon induced by an intense terahertz field enhanced by an antenna array. <i>New Journal of Physics</i> , <b>2015</b> , 17, 043002	2.9	28
98	Terahertz wafer-scale mobility mapping of graphene on insulating substrates without a gate. <i>Optics Express</i> , <b>2015</b> , 23, 30721-9	3.3	37
97	Analysis of a seventeenth-century panel painting by reflection terahertz time-domain imaging (THz-TDI): contribution of ultrafast optics to museum collections inspection. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 121, 981-986	2.6	12
96	Inspection of panel paintings beneath gilded finishes using terahertz time-domain imaging. <i>Studies in Conservation</i> , <b>2015</b> , 60, S159-S166	0.6	13
95	60 Gbit/s 400 GHz wireless transmission <b>2015</b> ,		18
94	Non-destructive electrochemical graphene transfer from reusable thin-film catalysts. <i>Carbon</i> , <b>2015</b> , 85, 397-405	10.4	34
93	Principles of Vibrational Spectroscopic Methods and their Application to Bioanalysis <b>2014</b> , 1037-1078		3
92	Electrically continuous graphene from single crystal copper verified by terahertz conductance spectroscopy and micro four-point probe. <i>Nano Letters</i> , <b>2014</b> , 14, 6348-55	11.5	59
91	The prospects of ultra-broadband THz wireless communications <b>2014</b> ,		4
90	In situ spectroscopic characterization of a terahertz resonant cavity. <i>Optica</i> , <b>2014</b> , 1, 272	8.6	7
89	Design and optimization of mechanically down-doped terahertz fiber directional couplers. <i>Optics Express</i> , <b>2014</b> , 22, 9486-97	3.3	27
88	Metamaterial composite bandpass filter with an ultra-broadband rejection bandwidth of up to 240 terahertz. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 191103	3.4	21
87	Ultrabroadband THz Time-Domain Spectroscopy of a Free-Flowing Water Film. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2014</b> , 4, 425-431	3.4	30
86	Experimental observation of plasmons in a graphene monolayer resting on a two-dimensional subwavelength silicon grating. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 131101	3.4	97

85	Optically active Babinet planar metamaterial film for terahertz polarization manipulation. <i>Laser and Photonics Reviews</i> , <b>2013</b> , 7, 810-817	8.3	21
84	Experimental three-dimensional beam profiling and modeling of a terahertz beam generated from a two-color air plasma. <i>New Journal of Physics</i> , <b>2013</b> , 15, 075012	2.9	53
83	Optimization design of optical waveguide control by nanoslit-enhanced THz field. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2013</b> , 11, 310-322	2.6	1
82	3D terahertz beam profiling <b>2013</b> ,		2
81	Terahertz-induced Kerr effect in amorphous chalcogenide glasses. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 221102	3.4	27
80	Observation of forward propagating THz mode emitted from a two-color laser-induced air plasma. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2013</b> , 34, 777-779	2.2	1
79	Multi-THz spectroscopy of mobile charge carriers in P3HT:PCBM on a sub-100 fs time scale <b>2013</b> ,		2
78	On Ultrafast Photoconductivity Dynamics and Crystallinity of Black Silicon. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2013</b> , 3, 331-341	3.4	8
77	Microring Diode Laser for THz Generation. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2013</b> , 3, 472-478	3.4	1
76	Numerical Investigation of Terahertz Emission Properties of Microring Difference-Frequency Resonators. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2013</b> , 3, 192-199	3.4	2
75	Characterization of European lacquers by terahertz (THz) reflectometric imaging <b>2013</b> ,		4
74	Picosecond dynamics of internal exciton transitions in CdSe nanorods. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	6
73	THz reflectometric imaging of contemporary panel artwork <b>2013</b> ,		2
72	Introduction to the special issue on terahertz spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2013</b> , 3, 237-238	3.4	2
71	Terahertz Spectroscopy of Crystalline and Non-Crystalline Solids. <i>Springer Series in Optical Sciences</i> , <b>2012</b> , 191-227	0.5	3
70	Flexible metamaterial absorbers for stealth applications at terahertz frequencies. <i>Optics Express</i> , <b>2012</b> , 20, 635-43	3.3	225
69	Graphene conductance uniformity mapping. <i>Nano Letters</i> , <b>2012</b> , 12, 5074-81	11.5	112
68	Direct observation of sub-100 fs mobile charge generation in a polymer-fullerene film. <i>Physical Review Letters</i> , <b>2012</b> , 108, 056603	7.4	66

67	Ultrabroadband terahertz spectroscopy of a liquid crystal. <i>Optics Express</i> , <b>2012</b> , 20, 28249-56	3.3	47
66	Fabrication and characterization of porous-core honeycomb bandgap THz fibers. <i>Optics Express</i> , <b>2012</b> , 20, 29507-17	3.3	107
65	Optical waveguide mode control by nanoslit-enhanced terahertz field. <i>Optics Letters</i> , <b>2012</b> , 37, 3903-5	3	25
64	Terahertz field enhancement to the MV/cm regime in a tapered parallel plate waveguide. <i>Optics Express</i> , <b>2012</b> , 20, 8344-55	3.3	37
63	A new method for obtaining transparent electrodes. <i>Optics Express</i> , <b>2012</b> , 20, 22770-82	3.3	40
62	Ultrabroadband terahertz spectroscopy of chalcogenide glasses. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 031904	3.4	46
61	Ultrabroadband terahertz conductivity of Si nanocrystal films. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 211107	3.4	31
60	Non-resonant terahertz field enhancement in periodically arranged nanoslits. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 074318	2.5	30
59	Finite-difference time-domain analysis of time-resolved terahertz spectroscopy experiments. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 1308	1.7	22
58	Porous-core honeycomb bandgap THz fiber. <i>Optics Letters</i> , <b>2011</b> , 36, 666-8	3	77
57	Towards a Terahertz Room-Temperature Integrated Source. <i>Procedia Computer Science</i> , <b>2011</b> , 7, 205-206	1.6	
56	Effect of Copper on the Carrier Lifetime in Black Silicon. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2011</b> , 32, 883-886	2.2	2
55	Optimized Optical Rectification and Electro-optic Sampling in ZnTe Crystals with Chirped Femtosecond Laser Pulses. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2011</b> , 32, 1371-1381	2.2	13
54	Terahertz spectroscopy and imaging [Modern techniques and applications]. <i>Laser and Photonics Reviews</i> , <b>2011</b> , 5, 124-166	8.3	1074
53	Non-invasive terahertz field imaging inside parallel plate waveguides. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 071113	3.4	11
52	A multi-element THz imaging system <b>2010</b> ,		1
51	Dielectric properties of water in butter and water-AOT-heptane systems measured using terahertz time-domain spectroscopy. <i>Applied Spectroscopy</i> , <b>2010</b> , 64, 1028-36	3.1	7
50	Modeling terahertz heating effects on water. <i>Optics Express</i> , <b>2010</b> , 18, 4727-39	3.3	44

49	Optical fiber link for transmission of 1-nJ femtosecond laser pulses at 1550 nm. <i>Optics Express</i> , <b>2010</b> , 18, 6978-87	3.3	5
48	Terahertz radar cross section measurements. <i>Optics Express</i> , <b>2010</b> , 18, 26399-408	3.3	46
47	Broadband terahertz fiber directional coupler. <i>Optics Letters</i> , <b>2010</b> , 35, 2879-81	3	38
46	Terahertz Imaging Systems With Aperture Synthesis Techniques. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 2027-2039	4.1	73
45	Terahertz radar cross section measurements <b>2010</b> ,		1
44	Dynamic optically induced planar terahertz quasioptics. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 241118	3.4	9
43	Ultrafast release and capture of carriers in InGaAs/GaAs quantum dots observed by time-resolved terahertz spectroscopy. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 262104	3.4	36
42	Terahertz Reflection Spectroscopy of Aqueous NaCl and LiCl Solutions. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2009</b> , 31, 430	2.2	3
41	Time-resolved THz spectroscopy in a parallel plate waveguide. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 997-1000	1.6	8
40	Terahertz reflection spectroscopy of Debye relaxation in polar liquids [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, A113	1.7	106
39	Bendable, low-loss Topas fibers for the terahertz frequency range. <i>Optics Express</i> , <b>2009</b> , 17, 8592-601	3.3	303
38	Simultaneous reference and differential waveform acquisition in time-resolved terahertz spectroscopy. <i>Optics Express</i> , <b>2009</b> , 17, 21969-76	3.3	31
37	Terahertz Time Domain Spectroscopy for Structure-II Gas Hydrates. <i>Applied Physics Express</i> , <b>2009</b> , 2, 122303	3.3	10
36	Characterization of aqueous alcohol solutions in bottles with THz reflection spectroscopy. <i>Optics Express</i> , <b>2008</b> , 16, 9318-31	3.3	76
35	Optical modulation of terahertz pulses in a parallel plate waveguide. <i>Optics Express</i> , <b>2008</b> , 16, 15123-9	3.3	55
34	Precise ab-initio prediction of terahertz vibrational modes in crystalline systems. <i>Chemical Physics Letters</i> , <b>2007</b> , 442, 275-280	2.5	132
33	Investigation of aqueous alcohol and sugar solutions with reflection terahertz time-domain spectroscopy. <i>Optics Express</i> , <b>2007</b> , 15, 14717-37	3.3	182
32	Chemical Recognition With Broadband THz Spectroscopy. <i>Proceedings of the IEEE</i> , <b>2007</b> , 95, 1592-1604	14.3	97



31	Terahertz Time-Domain Spectroscopy of Crystalline and Aqueous Systems <b>2007</b> , 147-165		2
30	Role of dynamical screening in excitation kinetics of biased quantum wells: Nonlinear absorption and ultrabroadband terahertz emission. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 013510	2.5	25
29	Microarray Biochips Thousands of Reactions on a Small Chip (MOBA) <b>2006</b> , 405-476		
28	Metal-Insulator Phase Transition in VO <sub>2</sub> : A Look from the Far Infrared Side. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 935, 1		
27	Metal-insulator phase transition in a VO <sub>2</sub> thin film observed with terahertz spectroscopy. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	221
26	Chemical recognition in terahertz time-domain spectroscopy and imaging. <i>Semiconductor Science and Technology</i> , <b>2005</b> , 20, S246-S253	1.8	185
25	Terahertz time-domain spectroscopy and imaging of artificial RNA. <i>Optics Express</i> , <b>2005</b> , 13, 5205-15	3.3	149
24	Dynamic range in terahertz time-domain transmission and reflection spectroscopy. <i>Optics Letters</i> , <b>2005</b> , 30, 29-31	3	248
23	T-ray spectroscopy of biomolecules: from chemical recognition toward biochip analysis -- horizons and hurdles <b>2005</b> ,		1
22	Terahertz-Time-Domain-Spektroskopie mit einem leistungsoptimierten elektrooptischen Detektionsverfahren (Low-Power Terahertz Time-Domain Spectroscopy with Optimized Electro-optical Detection). <i>TM Technisches Messen</i> , <b>2005</b> , 72, 430-439	0.7	3
21	Noncovalent intermolecular forces in polycrystalline and amorphous saccharides in the far infrared. <i>Chemical Physics</i> , <b>2003</b> , 288, 261-268	2.3	274
20	Ultrafast polarization dynamics in biased quantum wells under strong femtosecond optical excitation. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	38
19	Collective vibrational modes in biological molecules investigated by terahertz time-domain spectroscopy. <i>Biopolymers</i> , <b>2002</b> , 67, 310-3	2.2	229
18	Above-band gap two-photon absorption and its influence on ultrafast carrier dynamics in ZnTe and CdTe. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4771-4773	3.4	33
17	Far-infrared vibrational modes of DNA components studied by terahertz time-domain spectroscopy. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 3807-14	3.8	393
16	Ultrafast carrier trapping in microcrystalline silicon observed in optical pump-terahertz probe measurements. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1291-1293	3.4	84
15	Fundamental and second-order phonon processes in CdTe and ZnTe. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	118
14	Far-infrared vibrational spectra of all-trans, 9-cis and 13-cis retinal measured by THz time-domain spectroscopy. <i>Chemical Physics Letters</i> , <b>2000</b> , 332, 389-395	2.5	272

13	Terahertz pulse propagation in the near field and the far field. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2000</b> , 17, 74-83	1.8	55
12	Photoexcited GaAs surfaces studied by transient terahertz time-domain spectroscopy. <i>Optics Letters</i> , <b>2000</b> , 25, 13-5	3	82
11	Freeze-out of difference-phonon modes in ZnTe and its application in detection of THz pulses. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 2801-2803	3.4	16
10	Subpicosecond time-resolved terahertz time-domain spectroscopy of transient carrier dynamics in semiconductors <b>1999</b> ,		1
9	Electro-optic detection of THz radiation in LiTaO <sub>3</sub> , LiNbO <sub>3</sub> and ZnTe. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 3069-3071	3.4	128
8	Femtosecond Photolysis of ClO <sub>2</sub> in Aqueous Solution. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 3317-3323		53
7	Generation and detection of terahertz pulses from biased semiconductor antennas. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1996</b> , 13, 2424	1.7	420
6	Photoconductive sampling of subpicosecond pulses using mutual inductive coupling in coplanar transmission lines. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 4214-4216	2.5	6
5	Interpretation of photocurrent correlation measurements used for ultrafast photoconductive switch characterization. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 2649-2657	2.5	23
4	Detection of THz pulses by phase retardation in lithium tantalate. <i>Physical Review E</i> , <b>1996</b> , 53, R3052-R3054	3.4	106
3	Radiation patterns from lens-coupled terahertz antennas. <i>Optics Letters</i> , <b>1995</b> , 20, 807-9	3	103
2	THz reflection spectroscopy of liquid water. <i>Chemical Physics Letters</i> , <b>1995</b> , 240, 330-333	2.5	242
1	Ultrafast local field dynamics in photoconductive THz antennas. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 1265-1267	3.4	66